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same species with and without foliage, etc., also between the relative temperature of the interior of the trees and that of the exterior atmosphere. It was evidently a work involving considerable labor and accurate observation.

Trinidad—Annual Report on the Royal Botanic Gardens for 1888. J. H. Hart. (Pamph. 4to. pp. 41, illustrated; Port of Spain, 1889).

Proceedings of the Club.

The regular monthly meeting was held on Tuesday evening, Oct. 12th, the President in the chair and twenty-one persons present.

Dr. Chas. Lehlbach, Dr. J. H. Oyster, Mr. James N. Baxter and Mrs. Henry Hastings were elected Active Members.

The resignation of Miss Stabler as Curator was presented and accepted, and Miss Rogers was elected to fill the vacancy.

A paper on the *Hepaticæ* collected by Dr. H. H. Rusby in the Andes of Bolivia, 1885–1886, by Dr. Richard Spruce, accepted for publication in the *MEMOIRS*, was read by title.

Dr. Britton read the announced paper of the evening on "The Flora of New Jersey."

The adjourned meeting was held on Wednesday evening, Oct. 23d, the President in the chair and twenty-four persons present.

Miss Grace H. Learned, Mr. George J. Pierce of Cambridge, Mass., and Hon. Jos. R. Churchill of Dorchester, Mass., were elected Corresponding Members.

Dr. Emily L. Gregory read the announced paper of the evening "On some Botanical Reading done in the Laboratory of Professor Schwendener, in Berlin, during June and July, 1889," which will be found at another place in this number of the *BULLETIN*. Professor Schrenk remarked that both the subjects discussed by Miss Gregory had been before the Club several years

ago, before they had been so much investigated by the European observers.

Dr. T. F. Allen remarked on his discovery in July, 1872, of a new species of *Eriogonum* allied to *E. tomentosum*, Michx., near White Sulphur Springs, West Virginia. This has been named *E. Alleni* by Dr. Sereno Watson, and the description will appear in the addenda to the new edition of Gray's Manual. He wished to emphasize the fact that the plant had been found at the place mentioned, as this had been called in question.

Professor Schrenk exhibited microscopical preparations of cross sections of the leaves of the Witch Hazel, *Hamamelis Virginica*, showing peculiar structures called "osteo-sclereid cells," found at the extremities of the fibro-vascular bundles, and situated vertically to the leaf-surfaces, often reaching to the epidermis. He concluded that they are functionally strengthening elements. They are very abundant in the leaves growing in the shade and wanting in those of firmer texture exposed to the sun light.

Dr. W. E. Wheelock exhibited a specimen of *Crepis virens*, found at Greenwich, Conn., and not reported from that State in Mr. Bishop's Catalogue.

Dr. Britton showed a specimen of *Deutzia Mexicana*, Hemsley, collected by F. Müller in Orizava, Mexico, and remarked on its interesting isolation, all the other known species being of Asiatic distribution. Mr. Hemsley's description states that the fruit is unknown; this specimen has fruit, which does not differ materially from that of the Asiatic species.

Dr. Allen remarked on the extremely meagre flora of Block Island, which he had recently visited in search for Characeæ. The same two species occur there as on the eastern end of Long Island, however, but the *Enothera fruticosa*, var. *humifusa* of Montauk Point was not observed, but, instead, a very abundant growth of a depressed form of *Solidago nemoralis*.